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**From:** Libelo, Laurence [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=DA33642E6438407DAF4C35AFE870046B-LIBELO, LAURENCE]  
**Sent:** 6/19/2017 1:46:59 PM  
**To:** Strynar, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5a9910d5b38e471497bd875fd329a20a-Strynar, Mark]; Lindstrom, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=04bf7cf26aa44ce29763fbc1c1b2338e-Lindstrom, Andrew]; Washington, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fdc3e8ce9f1d45c4894881ff420ca104-Washington, John]; Tobias, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7a575bb6b68848b08a7afacefe07f6b5-Tobias, David]; Roberts, Justin [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=19c28391cf434a2093bdfd06fb5b3f0d-Roberts, Justin]; Fehir, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=56ce2174dc074048b911b8d2bb635fa9-Fehir, Richard]  
**Subject:** FW: GenX  
**Attachments:** Ng et al 1987.pdf

Guys,

Have you read the perfluoro ether degradation literature? I am looking at the surface chemistry reactions and trying to understand possible sources of GENX and other fluoroethers. For example Ng et al 1995 and 1987.

It seems to me that the chemistry is WAY more complex than that of PFCAs and we really have no idea what is going on.

I am also looking at the patent literature for fluoro ethers. Most seem to be for medical gasses and there are a bunch aimed at preventing their degradation by Lewis acids, electrons and friction.

The more I read the less I think I understand.

Let's set up time to talk about sources, fate, reactions etc.

Laurence

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**From:** Libelo, Laurence  
**Sent:** Monday, June 19, 2017 8:55 AM  
**To:** Schweer, Greg <Schweer.Greg@epa.gov>; Tobias, David <Tobias.David@epa.gov>; Roberts, Justin <Roberts.Justin@epa.gov>  
**Cc:** Allison, Rose <Allison.Rose@epa.gov>  
**Subject:** RE: GenX